

P a t e n t C l a i m s :

1. A package of a plastics material and consisting of a
5 container and a lid,

- said container (30) having a bottom connected with a cylindrical wall (32) extending around an axis (CL), said wall (32), opposite the bottom, having a free end (35) which defines an opening that gives access to the interior of the container (30), said wall (32) having an annular engagement portion (40) on the outer side at its free end (35),

15 - said lid (10) comprising a substantially disc-shaped face portion (12) with a peripheral skirt (14) which forms an annular reception channel (15), extending around said axis (CL), for said free end (35), said reception channel (15) being defined by a first side wall (17), a second side wall (25) and a bottom wall (19), said first side wall (17) being connected with the disc-shaped face portion (12), said second side wall (25) comprising engagement means (27) adapted to form a snap engagement with the engagement portion (40),

25 - said engagement portion (40) and said engagement means (27) comprising complementary engagement faces (42, 29) adapted to engage each other for establishing said snap engagement,

30 - there being arranged between the engagement portion (40) and the bottom wall (19) an annular resilient sealing member (23), which extends around the entire reception channel (15), and which, once said snap engagement

has been established, engages an annular first face (20) arranged in the reception channel (15) and a second annular face (38) arranged on the container (30) at said free end (35),

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characterized in

- that the engagement portion (40) and the engagement means (27) are shaped such that an axial compression of 10 the sealing member (23) is provided during the application of the lid (10), said compression being partially relieved when said engagement faces (29, 42) engage each other.

15 2. A package according to the preceding claim,

characterized in

- that the cooperating engagement faces (29, 42) are mutually parallel and plane, and

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- that the engagement faces (29, 42) extend obliquely relative to a normal to the axis CL.

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3. A package according to the preceding claim,

characterized in

- that the engagement faces (29, 42) extend obliquely at an angle α of between about 15° and about 40° relative to a normal to the axis CL.

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4. A package according to one of the preceding claims,

characterized in

- that said first face (20) or second face (38) exhibits an annular projection adapted to generate a further, local compression of the sealing member (23) when the engagement faces (29, 42) engage each other.

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5. A package according to the preceding claim, characterized in

10 - that said first face (20) arranged in the reception channel (15) defines an annular groove,

15 - that the sealing member (23) is secured in the groove by adhesion or in another manner, and

15 - that said second face (38) exhibits the annular projection (39) adapted to generate said additional, local compression of the sealing member (23).

20 6. A package according to the preceding claim, characterized in

25 - that, radially outwards from the axis (CL) and in extension of said annular projection (39), the engagement portion (40) exhibits an end edge (37) arranged opposite the second side wall (25) of the reception channel (15), and

30 - that the end edge (37) and said second side wall (25) between them define a ring-shaped space (5) whose radial extent decreases in a direction away from the sealing member (23).

7. A package according to claim 5 or 6, characterized in

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- that the sealing member (23) is secured to said first face (20) by adhesion.

5 8. A lid ^{for} a package of the type defined in claim 2,
said lid (10) comprising a substantially disc-shaped
face portion (12) with a peripheral skirt (14) which
forms an annular reception channel (15), extending around
said axis (CL), for the free end (35) of the container
10 (30), said reception channel (14) being defined by a
first side wall (17), a second side wall (25) and a bot-
tom wall (19), said first side wall (17) being connected
with the disc-shaped face portion (12), said second side
wall (25) comprising engagement means (27) adapted to
15 form a snap engagement with the engagement portion (40)
on the container (30),

characterized in

20 - that the engagement means (27) comprise an engagement
face (29) which extends obliquely relative to said axis
(CL) at an angle α of between about 20° and about 40°
relative to a normal to the axis CL, and

25 - that an annular sealing means (23) is secured in the
reception channel (15) by adhesion or in another manner.

9. A lid according to the preceding claim,

characterized in

30 - that the free end of said second side wall (25) com-
prises an inclined end face (28) which extends approxi-
mately in parallel with said engagement face (19) on the
lid (10).

10. A mould for the manufacture of a lid according to the preceding claim, said lid (10) being manufactured using a female mould part (100), a male mould part (110) and an ejector ring (120), which together define a mould cavity for the lid (10), said ejector ring (120) being adapted to be moved in a direction of said axis (CL) to release a lid just moulded from the male mould part (110),

10 characterized in

- that the ejector ring (120) defines a moulding face for said inclined end face (28) on the lid (10).